

Current Pharmaceutical Analysis

Manuscript Evaluation Form

Editor-in-Chief: Anastasios Economou, Department of Chemistry, Laboratory of Analytical Chemistry, University of Athens, Athens, Greece

PAPER TITLE	Metabolite detection and profiling using Analytical Methods
AUTHOR(S) NAME	Lovekesh Mehta, Tanveer Naved, Debaraj Mukherjee

Sec. A: REFEREE'S ASSESSMENT

(cross as appropriate)

Criterion	Excellent	Good	Fair	Poor
Originality of the topic	x			
Technical Quality		x		
Importance in its Field	x			
Style & Overall Representation		x		
Readily Understandable	x			
Suitability for the Journal	x			
Adequate Illustrations or Drawings	x			
English language		x		
Description	Yes	No	Comments/ Suggestions	
Does the title represent manuscript's contents?	x			
Is the Abstract accurate and concise?	x			
Are the approach/ methods properly described?	x			
Are the conclusions and interpretations sound?	x			
Are the references properly cited?	x			
Is this a new/ original/ contribution?	x			
Is it within the scope of the journal?	x			
Overall the Paper is Rated:	(Excellent ----- Poor) 10 9 8 7 6 5 4 3 2 1			

Sec. B: REFEREE'S RECOMMENDATIONS

OTHER SPECIFIC CRITICISMS

Accept with minor changes

x

Imperfect style

Accept with major changes

Too long

Reject in current form, but may be resubmitted

References incorrectly presented

Reject, with no resubmission

Typographical and Grammatical errors

x

PAPER TYPE: Research article

Review article

Letter article

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Confidential Comments to the Editor (not for Transmission to Authors):

This review article is within the scope of the journal and suitable for publication after some revision.

Comments for the Authors (continue on another sheet, if necessary):

Review of the article entitled

Metabolite detection and profiling using Analytical Methods, by Lovekesh Mehta, Tanveer Naved, Debaraj Mukherjee

This review article is within the scope of the journal and suitable for publication after some revision.

The English language, spelling and grammar have to be improved at some places.

Use italic for *in vitro* and *in vivo* in the entire manuscript.

In the abstract, line 8, state: mass spectrometry (MS), hyphenated with other techniques, instead of MS (Mass spectrometer)

Line 10, as well as in conclusion: enables the in depth metabolic profiling studies

In key words, as well as in the rest of the text use the correct spelling for reformulation, instead of preformulation

Use comma before, such as. For example in the Introduction, page 3, the last sentence of the third paragraph. mass spectrometry coupled with high-performance liquid chromatography

State the complete term and the abbreviation at the first place where it appears, in the rest of the text use either the abbreviation or full term.

Use one word for turnaround time

Page 4, polyphenol compounds

Page 5, place in the same row C-8 hydroxylation

4'-hydroxydiclofenac

Their study raises the possibility, instead of raise

On page 6, use italic for *ortho*- and *para*-

In Figure 3, use italic for *o*- and *p*-

The entire names of the compounds should be placed in the same line or row, above or below the adequate formula, preferably

Add one space after the end of the sentence, after catalyst. Before: This produced

The correct spelling is tumor cells

On page 7, in the names of the compounds, use italic *N*-

On page 8, Hence, the ICH guideline Q1A (R2) (2003) requires forced degradation study

SIAM (Q1A (R2), 2003)

Add comma before, as the former is conducted

, which are not commonly formed

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, such as hydrolysis

Use two words for photo-stability

The correct spelling is: has been, instead of has benn, as well as determination, instead of dtermination

On page 9, the correct spelling is photolytic, products

Add commas: close to 99.5 %, w/w, when the response

Add commas before, such as

, in which enzymes, such as

Tissue slices, such as liver slices that contain both phase I and II drug metabolizing enzymes

Use two words for large scale

Correct spelling for heterologous expressed

State the correct numbers of subheadings

2.1.1 Subcellular fractions:

2.1.2 Primary cell-based systems:

2.1.3 Cell lines containing heterologous expressed drug metabolizing enzymes:

The abbreviations *etc.* and *et al.* can be italic, with the point

On page 10, the fourth sentence of the second paragraph should be divided, with the commas.

Further, it becomes important to know that the type of biotransformation the lead compounds are undergoing, with the information on site(s) of metabolism, so that the structures can be optimized to improve factors, such as bioavailability and pharmacokinetics.

LC combined with ultraviolet (UV) spectrophotometry, or spectroscopy and thin layer chromatography (TLC)

Use comma before, such as and before, which forms

In conclusion, the first sentence can be divided into two sentences

It may also be possible to characterize and identify the types and sites of bio-transformations.

Use comma before, such as radio-labeled compounds

The quality of some Figures can be improved.

Delete the line above Figure 2, as well as the lines beside Figure 4.

Add the points after the legends of Figures and format the entire manuscript according to the style of the journal.

The numbers of issues should be added to references 2-6, 16-20, 26, 29 and 31, if available.

FIELD OF EXPERTISE OF REFEREE: Materials and chemical technologies, nanotechnologies, biomedical engineering, chemistry, medicinal and pharmaceutical chemistry

Name & Affiliation of referee: Tamara Jovanovic, Department of Biomedical Engineering, Faculty of Mechanical Engineering, University of Belgrade, Kraljice Marije 16, 11120 Belgrade, Serbia

Dr Tamara Jovanovic / May 15, 2019

SIGNATURE OF REFEREE / DATE

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